

TITLE OF THE INVENTION

Multilayered Optical Information-recording Media and Process for
Manufacture Thereof

MOJ 5
627-05 This application is a CON of 09/668,719 09/22/2000 PAT 6,676,791

BACKGROUND OF THE INVENTION

1. Field of the Invention

This invention relates to a multilayered optical information-recording medium (hereafter, optical disk) that has two or more
10 information-recording surfaces in the thickness direction of a light transmitting substrate and a process for the manufacture thereof.

2. Description of the Prior Art

Optical disks which record optically readable information and allow
15 reading of the recorded information using a laser beam spot have heretofore been available. Optical disks including compact disks (CDs) and CD-ROMs have become widespread in use, particularly over the recent years.

CD-ROMs recently have come to be used not only in computers but
20 also in multimedia game CD-ROMs and are increasingly replacing magnetic disks (floppy disks) and ROM cartridges both in computer and game applications. Furthermore, a high density CD version called the DVD (digital videodisk) is about to enter the field of movies and multimedia.

Recently proposals have been made of multilayered optical disks
25 that enable the recording of massive quantities of information. In contrast to the conventional CD that has a single-layer information-recording surface in which information signals are recorded only on one surface thereof on a substrate, the multilayered optical disks are structured to have a multiple number of information-recording surfaces in the thickness direction of the substrate.

30 Referring to Fig. 1, the aforementioned multilayered optical disk is